

Applicant CITY OF SEATTLE DEPARTMENT OF CONSTRUCTION AND LAND USE	Page of	Supersedes
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	Publication	Effective
	11/30/87	1/4/88
Subject Requirements for Premix Concrete Plants Certification	Code and Section Reference	
	Section 306, Seattle Building Code, Chapter 22-100 SMC	
	Type of Rule	
	Code Interpretation	
Index Building Code/Procedural Requirements	Ordinance Authority	
	3.06.040	
	Approved	Date
	<i>Sam Z. Hill</i>	12/29/07

The Seattle Building Code (Sec. 306r) requires that manufacturing plants, prior to certification or renewal of such, be inspected by an authorized inspection agency. An inspection report containing the following information shall be submitted to the Department of Construction and Land Use prior to plant certification.

A. GENERAL INFORMATION

1. Name and address of premix plant.
2. Type of facility (dry batch, central mix, etc.).
3. Name of inspector(s) who actually do the inspection of the facility.

B. PRODUCTS/MATERIALS USED

Include source, brand name and/or type. If more than one brand or source of a product or material is used, list all brands and sources.

1. Cement - Include a statement from cement producer(s) certifying that the cement conforms to SBC Standard 26-1 and ASTM C150. Identify country(ies) where imported cement or clinker is manufactured.
2. Aggregates
3. Admixtures (including cementitious materials such as pozzolanic materials, fly ash, etc.)
4. Water (city water, private well, recycled wash water, etc.)

C. EQUIPMENT

1. Aggregate storage and handling:
 - a. Description of bins/storage areas. How is size contamination prevented?
 - b. Procedure for intraplant handling of aggregates. Is it adequate to prevent segregation and damage?
2. Cement:
 - a. List storage facilities by type, capacity, and type of cement normally stored in each. (Include cementitious materials.)
 - b. Condition of feed mechanism (note leaks, rust, etc.)
3. Admixture dispensers:
 - a. List dispensers by type, location, and admixture normally measured therein. Are they labeled clearly and incremented accurately? Note any leaks.
 - b. List storage container's capacity for each admixture. Is admixture protected from freezing if necessary?
4. Batching Equipment:
 - a. List scales by brand, type (beam, dial, electronic, etc.), and material(s) weighed on each. Include a valid copy of the scales' certifications (valid within 1 year).
 - b. Water meter, brand and type (volume, metered, etc.).
 - c. Hot water producing equipment (capacity and type).
 - d. Batching system:
 - I. Type (manual, semi-automatic, automatic, etc.) of controls.
 - II. Recorded?
 - III. Type of mixer (stationary drum, tilting drum, etc.), capacity, and condition.
 - e. Moisture meter (brand, type, condition).
5. Delivery vehicles:
 - a. List trucks: truck number, license number, year, make, capacity, condition of drum interior (note fin wear, concrete buildup, leaks, etc.)

6. Recycled wash water facility:

- a. Note whether or not the daily log of specific gravities is complete and up to date.
- b. Description of recycling procedure (note how wash water is agitated and measured).
- c. Condition of holding tanks/ponds, pipes, etc. (Note leaks, settlement build-up, etc.)
- d. Description of aggregate reclaim procedure. Note method of incorporating reclaimed aggregates into stockpiles.

D. PERSONNEL

List all owners, managers, dispatchers, batchpersons, quality control persons, and any others who are responsible for ordering, handling and mixing concrete or concrete materials, or designing mixes. List their names, years of experience, responsibilities, and any certificates or degrees which are pertinent to their present position.

E. QUALITY CONTROL

1. Describe quality control program.
 - a. Quality control records. How does quality control personnel keep track of material shipments? Are quality control records separate from production records?
 - b. Description and frequency of tests on materials and products normally done for quality control purposes.
 - c. Laboratory facilities, equipment, and capabilities; or name of laboratory or agency normally hired to perform tests.
2. Describe how ready mix concrete orders are received and transferred to the batchperson(s) and drivers.
3. Describe where the standard City of Seattle mixes are kept in the batch plant.
4. Is the record of structural concrete provided to City of Seattle projects up to date and complete?

F. TEST RESULTS - Samples and tests by authorized independent testing agency.

1. Graduation on aggregates - If aggregates are blended in the batch plant to conform with U.B.C. Standard 26-2-A, usual percentage of blended materials shall be included.
2. Chemical analysis of recycled wash water and specific gravity, if applicable.

G. MISCELLANEOUS

1. A copy of a trip ticket shall be included to demonstrate conformance with U.B.C. Standard 26.1311.
2. Pictures of batch plant, mixing facilities, batch room (showing batching console and batchperson's view of scales if possible), aggregate stock piles, admixture dispensers, any new equipment installed within the last year, and any deficiencies noted in Section C.
3. A final statement expressing the overall potential of the ready mix facility to produce uniform, high quality concrete.
4. Any other pertinent information or test results.
5. The report shall be signed by a professional engineer registered in the State of Washington.

If you have any questions, please contact Michal Rosencrans (684-8475), City of Seattle, Department of Construction and Land Use, 503 Municipal Building, Seattle, Washington 98104.

MR:lw
DR1/PR4